



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/602,976
Applicant: Sommadossi *et al.*
Filed: June 20, 2003
TC/A.AU.: 1645
Examiner: Unassigned

Confirmation No.: 2062

Docket No.: 06171.105075 IDX 1007 CON3
Customer No.: 20786
Title: Methods and Compositions for Treating Hepatitis C Virus

Commissioner for Patents
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Alexandria, VA 22313-1450

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Sherry M. Knowles, Esq.
Reg. No. 33,052

King & Spalding, LLP
191 Peachtree Street, N.E., Atlanta, GA 30303
Office: (404)572-4600/ Fax: 404-572-5145

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known

Application Number	10/602,976
Filing Date	June 20, 2003
First Named Inventor	Sommadossi <i>et al.</i>
Group Art Unit	1645
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Attorney Docket Number	06171.105075 IDX 1007 CON3

3425618 1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clms, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code (if known)			
	AA	3,480,613	A	Walton <i>et al.</i>	11-25-1969	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
	AQ	FR	1,521,076	A	Merck & Co. Inc.	04-12-1968		
	AR	FR	1,581,628	A	Merck & Co. Inc.	09-19-1969		
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	AAA	WO	01/32153	A2	Biochem Pharma	05-10-2001		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **2** of **6****Complete if Known**

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Group Art Unit	1645
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		Office ³	Number	Kind Code ² (if known)				
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	BS	WO	03/051899	A1	Ribapharm	06-26-2003		
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	BY	WO	03/063771 ✓	A2	Pharmasset	08-07-2003		
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	BAD	WO	04/002999 ✓	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		

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Sheet

3

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6

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Application Number

10/602,976

Filing Date

June 20, 2003

First Named Inventor

Sommadosi *et al.*

Group Art Unit

1645

Examiner Name

Unassigned

Attorney Docket Number

06171.105075 IDX 1007 CON3

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	CA	ALTMANN <i>et al.</i> , "The synthesis of 1'-methyl carbocyclic thymidine and its effect on nucleic acid duplex stability," <i>Synlett</i> , Thieme Verlag, Stuttgart, De, 10:853-855 (1994).	
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Examiner Signature	Date Considered
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	EA	MATSUDA, A., <i>et al.</i> , "Nucleosides and Nucleotides. 94. Radical deoxygenation of <i>tert</i> -alcohols in 1-(2-C-alkylpentofuranosyl)pyrimidines: Synthesis of (2' <i>S</i>)-2'-deoxy-2'-C-methylcytidine, an antileukemic nucleoside," <i>J. Med. Chem.</i> , 34:234-239 (1991).			
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	EI	Oral Session V, Hepatitis C Virus, Flaviviridae; 16 th International Conference on Antiviral Research (April 27, 2003, Savannah, Ga.) p A75-77.			
	EJ	PAN-ZHOU, X-R, <i>et al.</i> , "Differential effects of antiretroviral nucleoside analogs on mitochondrial function in HepG2 cells," <i>Antimicrob. Agents Chemother.</i> , 44:496-503 (2000).			
	EK	ROSENTHAL, A., <i>et al.</i> , "Branched-chain sugar nucleosides. Synthesis of 3'-C-ethyl (and 3'-C-butyl)uridine <i>Carbohydrate Research</i> , 79:235-242 (1980).			
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Sheet **6** of **6****Complete if Known**

Application Number	10/602,976
Filing Date	June 20, 2003
First Named Inventor	Sommadossi <i>et al.</i>
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	06171.105075 IDX 1007 CON3

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	FA	SAMANO, V., <i>et al.</i> , "Nucleic acid related compounds. 77. 2',3'-Didehydro-2',3'-dideoxy-2'(and 3')-methyl nucleosides via [3,3]-sigmatropic rearrangements of 2'(and 3')-methylene-3'(and 2')-O-thiocarbonyl derivatives and radical reduction of a 2'-chloro-3'-methylene analogue," <i>Can. J. Chem.</i> , 71:186-191 (1993).	
	FB	SCHMIT, C., <i>et al.</i> , "The effects of 2'- and 3'-alkyl substituents on oligonucleotide hybridization and stability," <i>Bioorganic & Medicinal Chemistry Letters</i> , 4(16):1969-1974 (1994). ["Altmann"]	
	FC	SERAFINOWSKI, P.J., <i>et al.</i> , "New method for the preparation of some 2'- and 3'-trifluoromethyl-2',3'-dideoxyuridine derivatives," <i>Tetrahedron</i> (Elsevier Science Publishers), 56(2):333-339 (1999).	
	FD	SHARMA, P.K., <i>et al.</i> , "Synthesis of 3'-trifluoromethyl nucleosides as potential antiviral agents," <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 19(4):757-774 (2000).	
	FE	SOMMADOSSI J-P, <i>et al.</i> , "Comparison of cytotoxicity of the (-) and (+)-enantiomer of 2',3'-dideoxy-3'-thiacytidine in normal human bone marrow progenitor cells" <i>Biochemical Pharmacology</i> , 44:1921-1925 (1992).	
	FF	SOMMADOSSI J-P, <i>et al.</i> , "Toxicity of 3'-azido-3'-deoxythymidine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for normal human hematopoietic progenitor cells in vitro" <i>Antimicrobial Agents and Chemotherapy</i> , 31:452-454 (1987).	
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	FL	WOLFE, M.S., <i>et al.</i> , "A concise synthesis of 2'-C-methylribonucleosides," <i>Tetrahedron Letters</i> , 36(42):7611-7614 (1995).	
	FM	WU, J.-C., <i>et al.</i> , "A new stereospecific synthesis of [3.1.0] bicyclic cyclopropano analog of 2',3'-dideoxyuridine, <i>Tetrahedron</i> , 46(7):2587-2592 (1990).	

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